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Guy William Mineau

December 1993 **Proceedings of the second international conference on Information and knowledge management****Publisher:** ACM PressFull text available:  pdf(825.01 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 2 [Learning search engine specific query transformations for question answering](#) 

Eugene Agichtein, Steve Lawrence, Luis Gravano

April 2001 **Proceedings of the 10th international conference on World Wide Web****Publisher:** ACM PressFull text available:  pdf(205.68 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: information retrieval, query expansion, question answering, web search

- 3 [Development of multiple media documents](#) 

S. J. Morris, A. C. W. Finkelstein

December 1993 **Proceedings of the conference on Organizational computing systems****Publisher:** ACM PressFull text available:  pdf(1.11 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: design method, discourse, multimedia document

- 4 [A multiple presentation document management system](#) 

Augusto Celentano, Silvano Pozzi, Donato Toppeta

November 1992 **Proceedings of the 10th annual international conference on Systems documentation****Publisher:** ACM Press

Full text available:  pdf(1.01 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The paper proposes an approach to the definition of a document management system oriented to the support of cooperative activities based on multiple-presentation documents. In our view, multiple-presentation means that the informative content of a document can be presented to the reader by using different shapes, styles and levels of detail, according to the reader profile. The Zelig document management system is based on the definition of an only conceptua ...

5 Literate programming and structured authoring: Writing for adaptable documentation 

Erik Berglund

September 2000 **Proceedings of IEEE professional communication society international professional communication conference and Proceedings of the 18th annual ACM international conference on Computer documentation: technology & teamwork**

Publisher: IEEE Educational Activities Department

Full text available:  pdf(657.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The rapid development of reusable software components results in an information-overload problem in the development process. Software developers must read large amounts of documentation. Adaptive documentation is one way to address this problem and support efficient reading. However, in our view, adaptive documentation requires a writing process that delivers the pedagogical strategies for adaptivity. In this paper, we take stance in a project on adaptive software reference documentation and dis ...

6 Beyond location: hypertext workspaces and non-linear views 

 Frank M. Shipman, Catherine C. Marshall, Mark LeMere

February 1999 **Proceedings of the tenth ACM Conference on Hypertext and hypermedia : returning to our diverse roots: returning to our diverse roots**

Publisher: ACM Press

Full text available:  pdf(3.20 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: VIKI, analysis, fisheye views, information workspaces, interpretation, reduced document representations, visual languages, visualization

7 Toward active, extensible, networked documents: multivalent architecture and applications 

 Thomas A. Phelps, Robert Wilensky

April 1996 **Proceedings of the first ACM international conference on Digital libraries**

Publisher: ACM Press

Full text available:  pdf(1.12 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

8 Real information, virtual documents 

 Stephen L. Harris, James H. Ingram

February 1996 **Proceedings of the 13th annual international conference on Systems documentation: emerging from chaos: solutions for the growing complexity of our jobs**

Publisher: ACM Press

Full text available:  pdf(636.40 KB) Additional Information: [full citation](#), [index terms](#)

9 XSLT for tailored access to a digital video library Michael G. Christel, Bryan Maher, Andrew Begun January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries****Publisher:** ACM PressFull text available:  pdf(892.07 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Surrogates, summaries, and visualizations have been developed and evaluated for accessing a digital video library containing thousands of documents and terabytes of data. These interfaces, formerly implemented within a monolithic stand-alone application, are being migrated to XML and XSLT for delivery through web browsers. The merits of these interfaces are presented, along with a discussion of the benefits in using W3C recommendations such as XML and XSLT for delivering tailored access to ...

Keywords: XML, XSLT, digital video library, surrogate**10 Office Information Systems and Computer Science** Clarence A. Ellis, Gary J. NuttMarch 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 1**Publisher:** ACM PressFull text available:  pdf(2.87 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**11 Asynchronous information space analysis architecture using content and structure-based service brokering** Ke-Thia Yao, In-Young Ko, Ragy Eleish, Robert NechesJune 2000 **Proceedings of the fifth ACM conference on Digital libraries****Publisher:** ACM PressFull text available:  pdf(470.15 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Our project focuses on rapid formation and utilization of custom collections of information for groups focused on high-paced tasks. Assembling such collections, as well as organizing and analyzing the documents within them, is a complex and sophisticated task. It requires understanding what information management services and tools are provided by the system, when they appropriate to use, and how those services can be composed together to perform more complex analyses. This paper describes ...

Keywords: asynchronous service access, component architecture, content and structure, data-driven brokering, information analysis, information management, metadata**12 A systematic approach to creating and maintaining software documentation** Allison L. Powell, James C. French, John C. KnightFebruary 1996 **Proceedings of the 1996 ACM symposium on Applied Computing****Publisher:** ACM PressFull text available:  pdf(890.10 KB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** documentation, information retrieval, software engineering

13 A type system for dynamic Web documents

◆ Anders Sandholm, Michael I. Schwartzbach

◆ January 2000 **Proceedings of the 27th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**

Publisher: ACM Press

Full text available: pdf(1.32 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many interactive Web services use the CGI interface for communication with clients. They will dynamically create HTML documents that are presented to the client who then resumes the interaction by submitting data through incorporated form fields. This protocol is difficult to statically type-check if the dynamic documents are created by arbitrary script code using printf-like statements. Previous proposals have suggested using static document templates which trades flexibility for safety. W ...

14 Optimal locking integrated with operational transformation in distributed real-time

◆ group editors

Chengzheng Sun, Rok Sosić

May 1999 **Proceedings of the eighteenth annual ACM symposium on Principles of distributed computing**

Publisher: ACM Press

Full text available: pdf(1.23 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: consistency maintenance, distributed computing, group editors, groupware, locking, operational transformation

15 Applying multiple views to information systems: a preliminary framework

◆ Dirk Baldwin

◆ November 1993 **ACM SIGMIS Database**, Volume 24 Issue 4

Publisher: ACM Press

Full text available: pdf(1.15 MB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Multiple views are essential to decision making. In science there are multiple views of light, and in economics there are Keynesian and Monetarist views of the economy. Decision makers exposed to multiple views might find that one view is more useful or they might synthesize various views to gain a better understanding of the situation. This paper adds to the understanding of multiple views by defining key terms and by presenting a scheme that highlights view differences. The definitions and con ...

16 Coefficients of combining concept classes in a collection

◆ E. A. Fox, G. L. Nunn, W. C. Lee

◆ May 1988 **Proceedings of the 11th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(1.83 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This report considers combining information to improve retrieval. The vector space model has been extended so different classes of data are associated with distinct concept types and their respective subvectors. Two collections with multiple concept types are described, ISI-1460 and CACM-3204. Experiments indicate that regression methods can help predict relevance, given query-document similarity values for each concept type. After sampling and transformation of data, the coefficient of det ...

17 Information access at the data file level: documentation prerequisites on the file-level**◆ data base inquiry process**

Per Nielsen

September 1974 **ACM SIGSOC Bulletin**, Volume 6 Issue 2-3**Publisher:** ACM PressFull text available: [pdf\(521.47 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

In the mid-sixties, political and social science was theory-rich and data-poor. [1] In the decade following this statement, the ever-increasing holdings of machine-readable datasets in a growing chain of data repositories throughout the world have made the social science community much more wealthy. But, the vast scientific potential buried in data repositories is being transformed only at a slow pace. In the mid-seventies, quantitative data generated by empirical political and social science re ...

18 TransformGen: automating the maintenance of structure-oriented environments**◆ David Garlan, Charles W. Krueger, Barbara Staudt Lerner**May 1994 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,

Volume 16 Issue 3

Publisher: ACM PressFull text available: [pdf\(3.10 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A serious problem for programs that use persistent data is that information created and maintained by the program becomes invalid if the persistent types used in the program are modified in a new release. Unfortunately, there has been little systematic treatment of the problem; current approaches are manual, ad hoc, and time consuming both for programmers and users. In this article we present a new approach. Focusing on the special case of managing abstract syntax trees in structure-orientate ...

Keywords: schema evolution, structure-oriented environments, type evolution**19 Haskell and XML: generic combinators or type-based translation?****◆ Malcolm Wallace, Colin Runciman**September 1999 **ACM SIGPLAN Notices , Proceedings of the fourth ACM SIGPLAN international conference on Functional programming ICFP '99**, Volume 34 Issue 9**Publisher:** ACM PressFull text available: [pdf\(1.48 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present two complementary approaches to writing XML document-processing applications in a functional language. In the first approach, the generic tree structure of XML documents is used as the basis for the design of a library of combinators for generic processing: selection, generation, and transformation of XML trees. The second approach is to use a type-translation framework for treating XML document type definitions (DTDs) as declarations of algebraic data types, and a derivation of the cor ...

20 Achieving convergence, causality preservation, and intention preservation in real-**◆ time cooperative editing systems**

Chengzheng Sun, Xiaohua Jia, Yanchun Zhang, Yun Yang, David Chen

March 1998 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 5 Issue 1**Publisher:** ACM PressFull text available: [pdf\(273.05 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Real-time cooperative editing systems allow multiple users to view and edit the same text/graphic/image/multimedia document at the same time for multiple sites connected by communication networks. Consistency maintenance is one of the most significant challenges in designing and implementing real-time cooperative editing systems. In this article, a consistency model, with properties of convergence, causality preservation, and intention preservation, is proposed as a framework for consistenc ...

Keywords: REDUCE, causality preservation, computer-supported cooperative work, consistency maintenance, convergence, cooperative editing, groupware systems, intention preservation, operational transformation

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